

## ABSTRACT OF THE DISCLOSURE

LIGHT-CONVERTING MATERIAL COMPRISING A BARIUM MAGNESIUM  
SILICATE AS ADDITIVE

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The invention concerns a light transforming material,  
in particular for greenhouse walls, comprising as  
additive a barium and magnesium silicate of formula Ba;  
10  $3(1-x)\text{Eu}; 3x\text{Mg}; 1-y\text{Mn}; y\text{Si}; 2\text{O}; (1)$ , wherein  $0 < x =$   
 $0.3$  and  $0 < y = 0.3$ . Said material is capable of  
transforming solar energy of UV range into a red light.  
Said material can also be used in paints and cosmetics.